



Water-Data Report UT-2005

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT

San Juan River Basin

LOCATION.--Lat 37°50'48", long 109°22'08" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.2, T.34 S., R.23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello.

DRAINAGE AREA.--8.64 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,170 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft³/s, Nov 5, 1987, gage height, 4.17 ft; no flow many days in 2002, 2003, and 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
(a) May 23	----	*72	----

Minimum daily discharge, 0.03 ft³/s, Nov 5, 8, 11.

(a) Peak is an estimated daily discharge.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.04	e0.04	e0.07	e0.20	0.70	1.5	3.5	e42	e40	e3.6	0.82	0.12
2	0.04	e0.04	e0.08	0.20	0.69	1.6	5.3	e43	e35	e3.5	0.79	0.11
3	0.04	e0.04	e0.10	0.20	0.70	1.7	e7.6	e45	e30	e3.4	0.97	0.11
4	0.04	e0.04	e0.12	0.20	0.70	1.8	9.2	e48	e25	e3.2	0.85	0.13
5	0.12	0.03	e0.12	0.19	0.73	1.8	8.4	e50	e21	e3.0	0.86	0.14
6	0.04	0.04	e0.11	0.19	0.70	2.6	e9.0	e53	e17	e2.8	2.1	0.13
7	0.04	0.04	e0.10	0.18	0.70	3.1	e8.9	e52	e15	e2.7	1.1	0.12
8	0.04	0.03	e0.11	0.18	0.64	4.0	e8.9	e54	e14	3.3	0.93	0.16
9	0.04	0.06	e0.13	e0.19	0.74	5.5	e8.8	e55	e11	3.0	0.78	0.26
10	0.04	0.04	e0.15	e0.18	0.87	7.2	8.8	e57	11	3.0	e1.0	0.73
11	0.04	0.03	e0.16	e0.17	0.75	e7.5	8.0	e58	8.9	2.6	e0.70	0.25
12	0.05	0.04	e0.16	e0.16	e1.2	e8.1	e9.0	e60	7.4	2.4	e0.60	0.19
13	0.05	0.04	e0.16	e0.16	1.9	7.7	e10	e63	5.9	e2.4	0.59	0.17
14	0.04	0.04	e0.17	e0.17	1.8	5.7	e11	e60	6.1	2.2	0.55	0.17
15	0.04	0.05	e0.15	e0.15	1.9	4.6	e13	e59	8.3	2.2	0.55	0.14
16	0.04	0.04	e0.14	0.17	1.7	3.9	e15	e58	11	2.0	0.62	0.14
17	0.04	0.04	e0.16	e0.16	1.6	3.8	e16	e59	12	1.9	0.58	0.16
18	0.05	0.04	e0.18	e0.17	1.8	4.0	e17	e59	11	1.7	0.52	0.16
19	0.05	0.05	e0.18	e0.30	e2.0	4.1	e18	e62	10	1.5	0.53	0.14
20	0.04	e0.05	e0.18	e0.35	2.2	4.1	e19	e64	8.2	1.5	0.52	0.14
21	0.06	e0.04	e0.16	e0.34	1.7	3.8	e20	e66	8.5	1.4	0.52	0.17
22	0.15	e0.05	e0.14	e0.43	1.6	4.0	e24	e70	9.7	1.3	0.50	0.25
23	0.04	0.05	e0.13	e0.50	1.9	4.3	e28	e72	9.6	1.2	0.45	0.26
24	0.04	e0.04	e0.15	e0.48	1.8	3.5	e30	e70	7.7	1.3	0.41	0.18
25	0.04	e0.06	e0.18	e0.48	1.5	3.2	e32	e68	e6.0	1.6	0.35	0.17
26	0.04	0.06	e0.21	e0.48	1.5	3.3	e35	e65	e5.4	1.4	0.35	0.14
27	0.14	e0.05	e0.22	e0.47	1.4	3.8	e37	e61	e5.1	1.2	0.29	0.19
28	0.41	0.05	e0.21	e0.50	1.5	4.1	e38	e57	e4.7	1.1	0.25	0.58
29	0.07	0.05	e0.21	e0.60	---	4.3	e39	e53	e4.4	1.00	0.16	0.28
30	0.04	0.08	e0.21	e0.66	---	3.8	e40	e49	e4.1	0.96	0.13	0.24
31	0.04	---	e0.20	0.71	---	3.1	---	e45	---	0.86	0.11	---
Total	1.99	1.35	4.75	9.52	36.92	125.5	537.4	1,777	373.0	65.22	19.48	6.13
Mean	0.06	0.04	0.15	0.31	1.32	4.05	17.9	57.3	12.4	2.10	0.63	0.20
Max	0.41	0.08	0.22	0.71	2.2	8.1	40	72	40	3.6	2.1	0.73
Min	0.04	0.03	0.07	0.15	0.64	1.5	3.5	42	4.1	0.86	0.11	0.11
Ac-ft	3.9	2.7	9.4	19	73	249	1,070	3,520	740	129	39	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.19	0.47	0.16	0.15	0.30	1.86	5.67	8.85	3.08	0.61	0.27	0.22
Max	0.45	5.40	0.64	0.45	1.32	5.65	19.0	57.3	12.4	3.51	0.63	0.91
(WY)	(1987)	(1988)	(1988)	(1988)	(2005)	(1995)	(1993)	(2005)	(2005)	(1995)	(2005)	(1991)
Min	0.01	0.00	0.00	0.00	0.00	0.07	0.04	0.03	0.01	0.04	0.00	0.00
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1986 - 2005
Annual total	152.66	2,958.26	
Annual mean	0.42	8.10	1.82
Highest annual mean			8.10
Lowest annual mean			0.06
Highest daily mean	6.2 Mar 24	72 May 23	72 May 23, 2005
Lowest daily mean	0.00 Feb 23	0.03 Nov 5	0.00 Jun 13, 2002
Annual seven-day minimum	0.00 Feb 25	0.04 Nov 2	0.00 Jun 13, 2002
Annual runoff (ac-ft)	303	5,870	1,320
10 percent exceeds	1.3	36	4.5
50 percent exceeds	0.07	0.74	0.20
90 percent exceeds	0.01	0.04	0.05

